INSTALLATION GUIDE
NI GPIB-Serial Converter

GPIB-RS232 and GPIB-RS485/RS422

This guide includes instructions for installing and configuring your GPIB-RS232 or GPIB-RS485/RS422 hardware and NI GPIB-Serial Converter software on Windows 2000/XP.

Refer to the *NI GPIB-Serial Converter Help*, available after installing the NI GPIB-Serial Converter software, for more information about troubleshooting problems, configuring the hardware and software, programming modes of operation, and more.

Check the Hardware Configuration

The GPIB-RS232/485/422 is shipped with a 100–240 VAC wall-mount or desktop power supply. If you plan to use a different power source to power your GPIB-RS232/485/422, verify that the voltage marked on that power supply matches the input voltage marked on your GPIB-RS232/485/422.

⚠️ **Caution**  Do not operate your GPIB-RS232/485/422 at any voltage other than that labelled on the unit. Doing so could damage the unit.
The GPIB-RS232/485/422 ships with the following factory default power-on settings:

- **D Mode**
- 8 data bits/character
- 1 stop bit/character
- Parity disabled
- Serial port configured to 9600 baud
- Hardware flow control
- GPIB primary address 5
- GPIB secondary address disabled
- SRQ enabled

In D Mode, the GPIB-RS232/485/422 can act only as a GPIB Talker or Listener. To change any default setting, you must install the NI GPIB-Serial Converter software. For more information about D Mode settings, refer to the *NI GPIB-Serial Converter Help*, available after installing the software.

## Install the Software

To install the NI GPIB-Serial Converter software, complete the following steps:

1. Log on as Administrator or as a user with administrator privileges.
2. Insert the NI GPIB-Serial Converter software CD.
3. If the autorun application does not start, run `setup.exe` and follow the onscreen instructions to complete installation.
4. Reboot when prompted at the end of software installation.
Connect the Hardware

To connect the hardware, complete the following steps:
1. Connect either the GPIB or serial cable between the GPIB-RS232/485/422 and computer.
2. Connect the DC power plug of the DC power supply to the GPIB-RS232/485/422 hardware back panel and plug the power supply into an AC outlet.

⚠️ Caution  Do not operate your GPIB-RS232/485/422 at any voltage other than that labelled on the unit. Doing so could damage the unit.

Configure the Hardware

To configure the hardware, complete the following steps:
1. Move the switch on the back panel to the CFG setting.
2. Power on the GPIB-RS232/485/422, using the power switch on the front of the product.
   The PWR LED indicator should come on immediately. The RDY LED indicator blinks green after the hardware has passed its power-on self test, indicating it is ready for configuration.
3. Launch the NI GPIB-Serial Converter Wizard from Start>Programs> National Instruments>NI GPIB-Serial Converter.
4. Follow the onscreen instructions in the wizard.

For more information, refer to the NI GPIB-Serial Converter Help, available by clicking the NI GPIB-Serial Converter Wizard Help button.
Technical Support

The *NI GPIB-Serial Converter Help* is available from the following locations:

- Start»Programs»National Instruments»GPIB-Serial Converter
- The NI GPIB-Serial Converter Wizard Help button

Refer to the Technical Support and Professional Services topic in the *NI GPIB-Serial Converter Help* for information about obtaining technical support for this product.